



2013 Underground Injection Control Conference

Aquifer Management & Underground Injection

SARASOTA, FL JANUARY 22-24, 2013

The UIC Conference is the place to be to learn the latest information about underground injection control. We cover UIC topics from both a technical and regulatory perspective including the most recent changes to state and federal requirements and guidance.

We offer the only Class I Operator Training Course in the United States.

At this event you will have a chance to talk to regulatory officials from state, local and federal government officials as well as people who manage groundwater quality and quantity and stormwater or work with oil and gas, chemical, uranium mining, and other industries that utilize underground injection.

GWPC NOW ACCEPTING ABSTRACTS through NOV. 15th
for the 2013 Injection Control Conference

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|--------------------------------|-----------------------------------|
| • CO2 Geosequestration | • Water Reuse & Oil & Gas |
| • Hydraulic Fracturing | • Class I, II, III, & V Issues |
| • Class I Training | • Induced Seismicity |
| • Aquifer Storage and Recovery | • RBDMS Data Mining for Oil, Gas, |
| • Stray Gas & Water Quality | Class II & VI UIC Wells |
| • Low Impact Development & | • Aquifer Exemptions |
| Stormwater | • Injection & Deep Groundwater |

Submit abstracts abstracts@gwpc.org by November 15th

The Ground Water Protection Council will hold its annual UIC Conference at the Lido Hotel in Sarasota, FL.

- JANUARY 22-24, 2013
- SARASOTA, FLORIDA



Hotel and conference
registration available soon at
www.gwpc.org/events

Ground Water Protection Council
13308 N. MacArthur Blvd.
Oklahoma City, OK 73142
Phone: 405-516-4972
Fax: 405-516-4973
E-mail: ben@gwpc.org

Preliminary agenda outline... ***Aquifer Management & Underground Injection*** (subject to changes based abstract submittals)

Tuesday, January 22			
10:00 - 5:00	<p>Class I UIC Operator Training Steve King, Subsurface Technologies</p> <ul style="list-style-type: none"> - History of Injection and Overview of UIC Program - Permitting - Petitioning - Siting Criteria, Geology, and Reservoir Properties - New Class I Well Construction Well Repair and Workovers - Operating Procedures - Fluid Quality - Inspections - Mechanical Integrity Testing - Reservoir Testing <p>This is an interactive course. Questions from the participants are encouraged.</p>	<p>FracFocus 2.0 Training (Train the Trainer)</p> <ul style="list-style-type: none"> - Updates on progress of 2.0 implementation - Changes from FF 1.0 to 2.0 - New features of FF 2.0 - The new xml system and why it will be better - Step by step process for uploading and modifying records - Demo's of registration by type, record entry and modification, recalculations of % mass, and state data downloading - The quick guide, training slides, and how to use them 	<p>Well Integrity Workshop Dan Arthur, ALL Consulting</p> <p>This workshop will address issues such as:</p> <ul style="list-style-type: none"> - Choosing equipment and testing methods - QA/QC planning - Using Standard Procedures for Field Implementation of testing - Drilling and Completion Program Evaluations - Assessing annular pressure and pressure trends - Assessing annular gas vent rates - Cement evaluation - Quality Assurance for well integrity tests - Determining validity of tests performed - Planning and evaluating the adequacy of cement - Surface Casing testing - Intermediate and Production Casing Considerations - Testing and evaluating various mechanical integrity tests - Isotopic gas sampling and analysis - Water sampling and analysis - Well evaluation methods - LEL monitoring when gas is being vented - Safety issues specific to gas venting
Wednesday, January 23			
8:30-10:00	Aquifer Management & Underground Injection		
10:30-12:00	<p>Aquifer Storage and Recovery</p> <ul style="list-style-type: none"> - Technical <ul style="list-style-type: none"> o Minimizing negative aquifer interaction with injectate o Monitoring &/or modeling beyond point of injection 	<p>Oil & Natural Gas: UIC and Aquifer Management</p> <ul style="list-style-type: none"> - Class II UIC <ul style="list-style-type: none"> o Evolution of Salt Water Disposal & the Shale Play Revolution - Water Quality Impacts <ul style="list-style-type: none"> o Aquifer Exemptions and Groundwater Cycling o Stray Gas - Water Quantity Impacts <ul style="list-style-type: none"> o Shale Play Water Management Modeling 	<p>A Technical Workshop for Seismologists, Regulators, and other Stakeholders: Assessing and Managing the Risk of Induced Seismicity by Deep Underground Injection</p>
1:30-3:00	<p>Aquifer Storage and Recovery</p> <ul style="list-style-type: none"> - Policy & Regulation <ul style="list-style-type: none"> o Point of compliance o Aquifer Exemptions & ASR <p>Petition for an Aquifer Exemption at the L-63N (Taylor Creek) ASR System Okeechobee County, Florida</p>		
3:30-5:30	Desalination Concentrate & UIC		

Thursday, January 24			
8:30-10:00	Class I, III, & V UIC Issues & Discussion		Class II UIC Issues & Discussion
10:30-12:00	Class V UIC Issues <ul style="list-style-type: none"> - Stormwater, Low Impact Development & UIC 	State EPA Panel <ul style="list-style-type: none"> - EPA Hydraulic Fracturing Study - Diesel Guidance - Effluent Limitation Guidelines - Class VI UIC Implementation 	RBDMS Environmental: Tracking Pre & Post Fracture Monitoring Data RBDMS Data Mining: Training on downloading up to date information from state RBDMS Web sites on... <ul style="list-style-type: none"> - Class II wells: active wells, water injected... - Oil and gas wells: permits issued, active wells, production information - Online permitting and reporting - Basin and interstate analysis Pre & Post Drilling/HF Water Quality Data <ul style="list-style-type: none"> - How to sample - What to sample - Interpretation of results
1:30-3:00	Aquifer Exemptions Round Table <ul style="list-style-type: none"> - Regulatory challenges - What do we know about the science? - What next? 		



The GWPC provides a forum for stakeholder communication and research in order to improve governments' role in the protection and conservation of groundwater.

Ground Water Protection Council

13308 North MacArthur Boulevard, Oklahoma City, OK 73142 * 405 516 4972 * www.gwpc.org

Abstract Submittal Information:

Email abstract to abstracts@gwpc.org by **November 15th** in the following format:

TITLE: centered—14 pt—bold—Times Roman
Author Names(s): centered—12 pt—bold—Times Roman
Author(s) Bio: max. 100 words—11 pt—Times Roman
Abstract: max. 300 words—11 pt—Times Roman

Notification will be via email by **November 29th**.

Presentation Information:

- ◆ Presentations may be oral with MS Power Point.
- ◆ Oral presentations must be no more than 18 minutes, followed by a 2 minute question and answer.
- ◆ Full Paper (if applicable) and Abstracts & Bios are due by **January 15th**

(Full paper not required to make oral or poster presentation)

Full Paper Detail: 15 pages total: (11pt – single spaced - Times New Roman)
1 page Abstract & Bio, 14 pages including text, diagrams, photos and/or tables
Page Margins: .75 inches

- ◆ Conference handbooks including abstracts & bios will be available to all participants at event.
- ◆ Power Point presentations and full papers will be posted on the GWPC conference web site following the event.

For question regarding instructions send e-mail to abstracts@gwpc.org or call 405 516 4972.

Event Registration Information *Now Open*

Conference Rates:

Full Conference – Government - \$325
Full Conference – Non-Government - \$425
Full Conference – Presenter Discount Rate - \$175
One Day Rate - \$225

Hotel Registration Information *Now Open*

Lido Hotel

700 Ben Franklin Dr., Sarasota, FL 34236
“**Ground Water Protection Council**” Room Block
Conference Room Rate: \$129: Reservations: 800 441-2113
Special Conference rate is good through **January 2nd**

For Exhibit and/or Event Sponsorship Opportunities, contact Ben Grunewald at ben@gwpc.org or 405 516 4972

Registration Form – 2013 GWPC UIC Conference – January 22-24

Name: _____

Title: _____

Organization: _____

Address: _____

City/ST/Zip: _____

Phone: (_____) _____ Fax: (_____) _____

Email: _____

Registration Fees: ☐ Full Conference: Government - \$325 ☐ Full Conference: NON-Government - \$425 ☐ One Day - \$225 ☐ Presenter - \$175 ☐ Comp*

Method of Payment: ☐ Visa/MC ☐ Amex ☐ Discover ☐ Check Enclosed

Credit Card # _____ Expires: _____

Signature: _____

Register online at www.gwpc.org

Return registration form by fax: (405) 516-4973

Or mail to: The Ground Water Protection Council, Attn: Brenda Short, 13308 N MacArthur, Oklahoma City, OK 73142

*Pre-approved required